

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

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COUNTRY East Germany

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SUBJECT Tube Production at Funkwerk Erfurt

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SUPPLEMENT TO
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The following table represents the 1953/1954 large radio tube development and production program at Funkwerk Erfurt.

<u>Type of Tube</u> <u>New</u>	<u>Old</u>	<u>Power</u> <u>in kW</u>	<u>Power Loss</u> <u>in kW 1/</u>	<u>Minimum</u> <u>Wave</u> <u>Length</u> <u>(meters)</u>	<u>Cathode</u>	<u>Remarks</u>
<u>Designation</u>	<u>Designation</u>					
GRS 201	RG 49	-	-	-	Th, W	Development
SRS 301	SRS 01	0.9	0.5	5	W	Production
SRS 302	SRS 02 B	2.8	1.2	5	Th, W	Production
VRS 303	RV 216 A	-	In the Development Plan		Th, W	Development
SRS 304	TRS 04	0.25	0.15	2	Th, W	Production
SRL 305	SRL 05	10	6	15	Th, W	Production
SRS 306	SRL 06 A	2.6	1.2	100	W	Production
SRS 307	RS 207	1.8	0.8	5	W	Production
SRS 308	RS 282	0.1	0.1	3	Oxyd.	Production
SRS 309	SRS 09	1.0	0.5	6	W	Production
SRS 310	RS 629	1.0	0.5	5	Th, W	Development
SRW 312	RS 558	40	25	15	Th, W	Production
SRW 313	RS 566	100	120	100	Th, W	Production
SRW 314	SRL 05 A	10	6	3+5	Th, W	Development for UKW with improved Properties
VRS 316	RV 216	-	-	-	W	Production
SRW 317	RS 255	20	12	100	W	Production
SRW 318	RS 260	10	12	100	W	Production

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25 YEAR RE-REVIEW

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Type of Tube		Power in kW	Power Loss in kW	Minimum Wave Length (meters)	Cathode	Remarks
New Designation	Old Designation					
SRW 319	RS 261	10	12	100	W	Production
VRS 320	RV 271 B	-	-	-	Oxyd.	
VRS 321	-	-	-	-	Oxyd.	Development
VRS 322	-	-	-	-	Oxyd.	Development
SRW 323	SRL 314 W	20	12	~5	Th, W	Development, same as SRL 314 but with water cooling
VRL 324	-	In the Development Plan 1954			-	Development
SRS 401	RS 681	1.0	0.5	~2	Th, W	Production
SRS 402	RS 782	5.0	2.5	2.5	Th, W	Development
SRS 403	-	5.0	-	2.5	Th, W	Development
SRS 404	-	In Development Plan 1954			Th, W	Development
SRS 501	RS 391	0.12	0.11	5	Oxyd.	Production
SRS 502	RS 384	0.8	0.45	6	Th, W	Production
SRS 503	RS 337	-	-	5	Th, W	Development

The following is the key for the new type designation:

Example: G R S 2 0 1
(1) (2) (3) (4) (5)

- (1) G = Rectifier tube; V = Amplifying tube; S = Transmitter tube
- (2) R = Tube
- (3) S = Cooled by radiation (Strahlunggekuehlt); L = Forced air cooling (forcierte Luftkuehlung); W = Water-cooled (Wassergekuehlt)
- (4) 2 = Diode; 3 = Triode; 4 = Tetrode; 5 = Pentode
- (5) Construction serial number

Thus, GRS 201 is a rectifier tube, cooled by radiation, diode, Construction Number 01.

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